

Case No. 02CT08253399

13142 U.S. PTO



07/08/03

MS PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA, VA 22313-1450

I HEREBY CERTIFY THIS PAPER OR FEE IS BEING  
DEPOSITED WITH THE U.S. POSTAL SERVICE  
"EXPRESS MAIL POST OFFICE TO ADDRESSEE"  
SERVICE UNDER 37 CFR 1.10 ON THE DATE  
INDICATED BELOW AND IS ADDRESSED TO: MS  
PATENT APPLICATION, COMMISSIONER FOR  
PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-  
1450.

EXPRESS MAIL NO: EV322683865US

DATE OF DEPOSIT: July 8, 2003

NAME: Justin Goree

SIGNATURE: *Justin Goree*

16447 U.S. PTO  
10/615446



07/08/03

Transmitted herewith for filing is the patent  
application of:

Inventors: **Gianguido RIZZOTTO**  
**Paolo AMATO**  
**Domenico PORTO**

For: **METHOD AND RELATIVE QUANTUM GATE FOR RUNNING A GROVER'S OR A  
DEUTSCH-JOZSA'S QUANTUM ALGORITHM**

**Enclosed are:**

- ☒ Patent Application: 29 pages, 10 claims  
☒ 8 sheets of drawings  
☒ The suggested drawing figure to be published is FIG. 7.  
☒ A Preliminary Amendment (with 7 replacement drawing sheets).  
Assignee info:  
Name: STMicroelectronics S.r.l.  
Address: Via C. Olivetti, 2, 20041 Agrate Brianza (MI), Italy  
Country of Incorporation: Italy  
☒ Applicant claims priority benefit to the following foreign application(s):  
Country: Europe  
Application No.: 02425447.6  
Filing Date: July 8, 2002

The Declaration and Filing Fee are **NOT ENCLOSED**.

- ☒ Name, Address and Citizenship of Inventor(s) is as follows:

**Gianguido RIZZOTTO, Via Belvedere, 22/24, 23862 Civate, Italy**  
**Citizen of Italy**

**Paolo AMATO, Via Roma, 26/A, 20051 Limbiate, Italy**  
**Citizen of Italy**

**Domenico PORTO, Via Orchidea, 3, 95123 Catania, Italy**  
**Citizen of Italy**

- ☒ **PLEASE ADDRESS CORRESPONDENCE TO ATTORNEY OF RECORD: CHRISTOPHER F. REGAN**

- ☒ Associate this file with Customer No. 27975.



27975

PATENT TRADEMARK OFFICE

Date: July 8, 2003

*Michael W. Taylor*  
MICHAEL W. TAYLOR  
Reg. No. 43,182